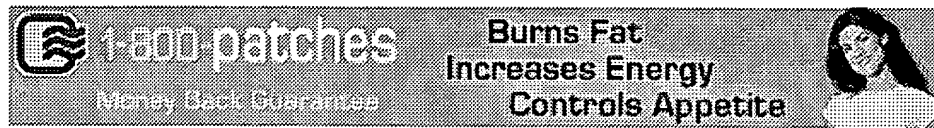




optical

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op·ti·cal **Pronunciation Key** (ŏp'tī-kəl)
adj.

1. Of or relating to sight; visual: *an optical defect*.
2. Designed to assist sight: *optical instruments*.
3. Of or relating to optics.
4. Relating to or using visible light: *optical astronomy*.
5. Using light-sensitive devices.

op'ti-cal·ly adv.

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Main Entry: **op·ti·cal**

Pronunciation: 'äp-ti-kəl

Function: *adjective*

- 1** : of or relating to the science of optics
2 a : of or relating to vision : VISUAL **b** : using the properties of light to aid vision <an *optical* instrument>
3 : of, relating to, or utilizing light <an *optical* emission> <an *optical* telescope> <*optical* microscopy>

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optical

Optic \Op"tic\, Optical \Op"tic*al\, a. [F. *optique*, Gr. *?*; akin to *?* sight, *?* I have seen, *?* I shall see, and to *?* the two eyes, *?* face, L. *oculus* eye. See *Ocular*, *Eye*, and cf. *Canopy*, *Ophthalmia*.] 1. Of or pertaining to vision or sight.

The moon, whose orb Through optic glass the Tuscan artist views. --Milton.

2. Of or pertaining to the eye; ocular; as, the optic nerves (the first pair of cranial nerves) which are distributed to the retina. See Illust. of *Brain*, and *Eye*.

3. Relating to the science of optics; as, optical works.

Optic angle (Opt.), the angle included between the optic axes of the two eyes when directed to the same point; -- sometimes called binocular parallax.

Optic axis. (Opt.) (a) A line drawn through the center of the eye perpendicular to its anterior and posterior surfaces. In a normal eye it is in the direction of the optic axis that objects are most distinctly seen. (b) The line in a doubly refracting crystal, in the direction of which no double refraction occurs. A uniaxial crystal has one such line, a biaxial crystal has two.

Optical circle (Opt.), a graduated circle used for the measurement of angles in optical experiments.

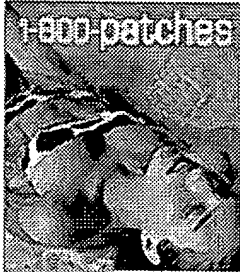
Optical square, a surveyor's instrument with reflectors for laying off right angles.

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optical

adj 1: relating to or using sight; "ocular inspection"; "an optical illusion"; "visual powers"; "visual navigation" [syn: *ocular*, *optic*, *visual*] 2: of or relating to or involving light or optics; "optical supplies" 3: of or relating to or resembling the eye; "ocular muscles"; "an ocular organ"; "ocular diseases"; "the optic (or optical) axis of the eye"; "an ocular spot is a pigmented organ or part believed to be sensitive to



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light" [syn: ocular, optic, ophthalmic]

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optical

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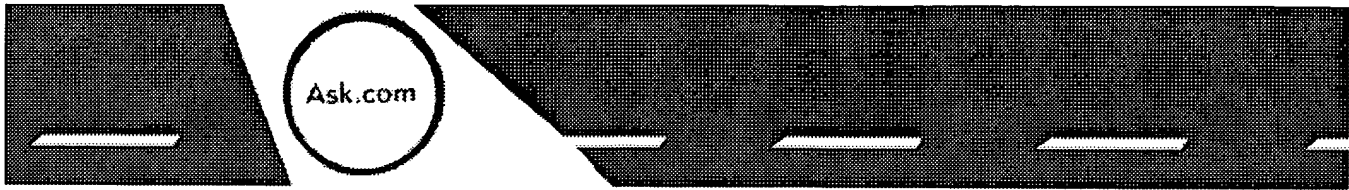
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system

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sys·tem  **Pronunciation Key** (sɪs'təm)
n.

1. A group of interacting, interrelated, or interdependent elements forming a complex whole.
2. A functionally related group of elements, especially:
 - a. The human body regarded as a functional physiological unit.
 - b. An organism as a whole, especially with regard to its vital processes or functions.
 - c. A group of physiologically or anatomically complementary organs or parts: *the nervous system; the skeletal system*.
 - d. A group of interacting mechanical or electrical components.
 - e. A network of structures and channels, as for communication, travel, or distribution.
 - f. A network of related computer software, hardware, and data transmission devices.
3. An organized set of interrelated ideas or principles.
4. A social, economic, or political organizational form.
5. A naturally occurring group of objects or phenomena: *the solar system*.
6. A set of objects or phenomena grouped together for classification or analysis.
7. A condition of harmonious, orderly interaction.

8. An organized and coordinated method; a procedure.
See Synonyms at method.
9. The prevailing social order; the establishment. Used with *the*: *You can't beat the system.*

[Late Latin *systēma*, *systēmat-*, from Greek *sustēma*, from *sunistanai*, *to combine* : *sun-*, *syn-* + *histanai*, *set up, establish*; see *stā-* in Indo-European Roots.]

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system

see all systems go; out of one's system.

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sys·tem (sĭs'təm)

n.

1. A group of interacting, interrelated, or interdependent elements forming a complex whole.
2. An organism or body considered as a whole, especially with regard to its vital processes or functions.
3. A group of physiologically or anatomically complementary organs or parts.

Source: *The American Heritage® Stedman's Medical Dictionary*
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Main Entry: sys·tem

Pronunciation: 'sis-təm

Function: *noun*

1 a : a group of body organs that together perform one or more vital functions —see CIRCULATORY SYSTEM, NERVOUS SYSTEM, REPRODUCTIVE SYSTEM, RESPIRATORY SYSTEM **b** :

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the body considered as a functional unit

2 : a manner of classifying, symbolizing, or schematizing <a taxonomic *system*>

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system

Cascade system \Cascade system\ (Elec.) A system or method of connecting and operating two induction motors so that the primary circuit of one is connected to the secondary circuit of the other, the primary circuit of the latter being connected to the source of supply; also, a system of electric traction in which motors so connected are employed. The cascade system is also called

tandem, or concatenated, system; the connection a

cascade, tandem, or concatenated, connection, or

a concatenation; and the control of the motors so obtained a

tandem, or concatenation, control.

Note: In the cascade system of traction the cascade connection is used for starting and for low speeds up to half speed. For full speed the short-circuited motor is cut loose from the other motor and is either left idle or (commonly) connected direct to the line.

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Source: Webster's Revised Unabridged Dictionary, © 1996, 1998 MICRA, Inc.

system

9. A body of persons having some common honorary distinction or rule of obligation; esp., a body of religious persons or aggregate of convents living under a common rule; as, the Order of the Bath; the Franciscan order.

Find a barefoot brother out, One of our order, to associate me.
--Shak.

The venerable order of the Knights Templars. --Sir W. Scott.

10. An ecclesiastical grade or rank, as of deacon, priest, or bishop; the office of the Christian ministry; -- often used in the plural; as, to take orders, or to take holy orders, that is, to enter some grade of the ministry.

11. (Arch.) The disposition of a column and its component parts, and of the entablature resting upon it, in classical architecture; hence (as the column and entablature are the characteristic features of classical architecture) a style or manner of architectural designing.

Note: The Greeks used three different orders, easy to distinguish, Doric, Ionic, and Corinthian. The Romans added the Tuscan, and changed the Doric so that it is hardly recognizable, and also used a modified Corinthian called Composite. The Renaissance writers on architecture recognized five orders as orthodox or classical, -- Doric (the Roman sort), Ionic, Tuscan, Corinthian, and Composite. See Illust. of Capital.

12. (Nat. Hist.) An assemblage of genera having certain important characters in common; as, the Carnivora and Insectivora are orders of Mammalia.

Note: The Linn[ae]an artificial orders of plants rested mainly on identity in the number of pistils, or agreement in some one character. Natural orders are groups of genera agreeing in the fundamental plan of their flowers and fruit. A natural order is usually (in botany) equivalent to a family, and may include several tribes.

13. (Rhet.) The placing of words and members in a sentence in such a manner as to contribute to force and beauty or clearness of expression.

14. (Math.) Rank; degree; thus, the order of a curve or surface is the same as the degree of its equation.

Artificial order or system. See Artificial classification, under Artificial, and Note to def. 12 above.

Close order (Mil.), the arrangement of the ranks with a distance of about half a pace between them; with a distance of about three yards the ranks are in open order.

The four Orders, The Orders four, the four orders of mendicant friars. See Friar. --Chaucer.

General orders (Mil.), orders issued which concern the whole command, or the troops generally, in distinction from special

orders.

Holy orders. (a) (Eccl.) The different grades of the Christian ministry; ordination to the ministry. See def. 10 above. (b) (R. C. Ch.) A sacrament for the purpose of conferring a special grace on those ordained.

In order to, for the purpose of; to the end; as means to.

The best knowledge is that which is of greatest use in order to our eternal happiness. --Tillotson.

Minor orders (R. C. Ch.), orders beneath the diaconate in sacramental dignity, as acolyte, exorcist, reader, doorkeeper.

Money order. See under Money.

Natural order. (Bot.) See def. 12, Note.

Order book. (a) A merchant's book in which orders are entered. (b) (Mil.) A book kept at headquarters, in which all orders are recorded for the information of officers and men. (c) A book in the House of Commons in which proposed orders must be entered. [Eng.]

Order in Council, a royal order issued with and by the advice of the Privy Council. [Great Britain]

Order of battle (Mil.), the particular disposition given to the troops of an army on the field of battle.

Order of the day, in legislative bodies, the special business appointed for a specified day.

Order of a differential equation (Math.), the greatest index of differentiation in the equation.

Sailing orders (Naut.), the final instructions given to the commander of a ship of war before a cruise.

Sealed orders, orders sealed, and not to be opened until a certain time, or arrival at a certain place, as after a ship is at sea.

Standing order. (a) A continuing regulation for the conduct of parliamentary business. (b) (Mil.) An order not subject to change by an officer temporarily in command.

To give order, to give command or directions. --Shak.

To take order for, to take charge of; to make arrangements

concerning.

Whiles I take order for mine own affairs. --Shak.

Syn: Arrangement; management. See Direction.

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system

\Sys"tem\, n. [L. systema, Gr. τ , fr. τ to place together; sy'n with + τ to place: cf. F. syst[\grave{e}]me. See Stand.] 1. An assemblage of objects arranged in regular subordination, or after some distinct method, usually logical or scientific; a complete whole of objects related by some common law, principle, or end; a complete exhibition of essential principles or facts, arranged in a rational dependence or connection; a regular union of principles or parts forming one entire thing; as, a system of philosophy; a system of government; a system of divinity; a system of botany or chemistry; a military system; the solar system.

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system

n 1: a group of independent but interrelated elements comprising a unified whole; "a vast system of production and distribution and consumption keep the country going" [syn: scheme] 2: instrumentality that combines interrelated interacting artifacts designed to work as a coherent entity; "he bought a new stereo system"; "the system consists of a motor and a small computer" 3: a complex of methods or rules governing behavior; "they have to operate under a system they oppose"; "that language has a complex system for indicating gender" [syn: system of rules] 4: a procedure or process for obtaining an objective; "they had to devise a system that did not depend on cooperation" 5: a group of physiologically or anatomically related organs or parts; "the body has a system of organs for digestion" 6: an organized structure for arranging or classifying; "he changed the arrangement of the topics"; "the facts were familiar but it was in the organization of them that he was original"; "he tried to understand their system of classification" [syn: arrangement,

organization, organisation] 7: (physical chemistry) a sample of matter in which substances in different phases are in equilibrium; "in a static system oil cannot be replaced by water on a surface"; "a system generating hydrogen peroxide" 8: the living body considered as made up of interdependent components forming a unified whole; "exercise helped him get the alcohol out of his system" 9: an ordered manner; orderliness by virtue of being methodical and well organized; "his compulsive organization was not an endearing quality"; "we can't do it unless we establish some system around here" [syn: organization, organisation]

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system

1. The supervisor program or operating system on a computer.
2. The entire computer system, including input/output devices, the supervisor program or operating system and possibly other software.
3. Any large program.
4. Any method or algorithm.

[Jargon File]

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system

- n. 1. The supervisor program or OS on a computer. 2. The entire computer system, including input/output devices, the supervisor program or OS, and possibly other software. 3. Any large-scale program. 4. Any method or algorithm. 5. 'System hacker': one who hacks the system (in senses 1 and 2 only; for sense 3 one mentions the particular program: e.g., 'LISP hacker')

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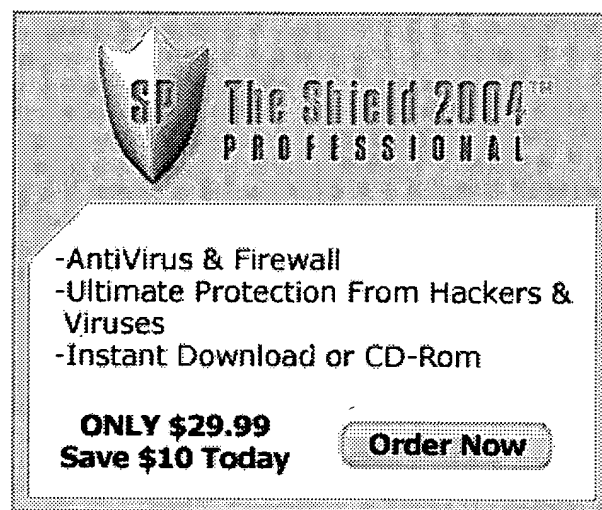
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